

below named inventor, I declare:

THAT I am a citizen of Japan or CHINA (if the inventor is third listed below) having a post office address at (c/o Intellectual Property & Legal Department, OLYMPUS OPTICAL CO., LTD., 2-3, Kuboyama-cho, Hachioji-shi, Tokyo, Japan), *the address of each inventor*  
 THAT my residence is as stated below next to my name;  
 THAT I verily believe myself to be the original, first and sole (if only one individual inventor is listed below) or an original, first and joint inventor (if more than one individual inventor is listed below) of the invention in

### IMAGE PROCESSING APPARATUS

described and claimed in the attached specification; I have reviewed and understand the contents of the specification, including the claims; that I do not know and do not believe that this invention was ever known or used before my or our invention or discovery thereof, or patented or described in any printed publication in any country before my or our invention or discovery thereof, or more than one year prior to this application, or in public use or on sale in the United States for more than one year prior to this application; that this invention or discovery has not been patented or made the subject of an inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months before this application; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application in accordance with Section 1.56(a) of Title 37, Code of Federal Regulations; and that I hereby claim foreign priority benefits under Title 35, U.S.C. 119 of applications for patent or inventor's certificate on this invention or discovery which have been filed by me or my representatives or assigns in any country foreign to the United States, and which are as follows:

Country	Category	Application No.	Filing date	Priority Claim
Japan	Patent	4-89090	April 9, 1992	Yes
Japan	Patent	4-89092	April 9, 1992	Yes
Japan	Patent	4-94473	April 14, 1992	Yes
Japan	Patent	4-239803	September 8, 1992	Yes
Japan	Patent	4-244933	September 14, 1992	Yes
Japan	Patent	4-246646	September 16, 1992	Yes
Japan	Patent	5-42402	March 3, 1993	Yes
Japan	Patent	5-63978	March 23, 1993	Yes

And I hereby appoint Stephen H. Frishauf (Reg.No. 16,233), Leonard Holtz (Reg.No. 22,974), Herbert H. Goodman (Reg.No. 17,081), William R. Woodward (Reg.No. 15,126), Milton Oliver (Reg.No. 28,333), Thomas Langer (Reg.No. 27,264), Marshall J. Chick (Reg.No. 26,853), Walter J. Baum (Reg.No. 20,641) and Richard S. Barth (Reg.No. 28,180), each of whose address is 600 Third Avenue - 30th Floor, New York, N.Y. 10016, or any one of them, my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent & Trademark Office connected therewith, and request that correspondence be directed to Frishauf, Holtz, Goodman & Woodward, P.C., 600 Third Avenue - 30th Floor, New York, N.Y. 10016.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

## DECLARATION AND POWER OF ATTORNEY

Inventor: (Signature)DateResidence

- ✓ ① Yasuhiro Komiya MAR. 30. 1993 Tokyo, Japan  
Yasuhiro KOMIYA
- ✓ ② Tatsuo Nagasaki MAR. 30. 1993 Yokohama-shi, Japan  
Tatsuo NAGASAKI
- ✓ ③ Kangda Wang MAR. 30. 1993 Tokyo, Japan  
Kangda WANG
- ✓ ④ Takeshi Mori MAR. 30. 1993 Tokyo, Japan  
Takeshi MORI
- ✓ ⑤ Ryoichi Sawaki MAR. 30. 1993 Tokyo, Japan  
Ryoichi SAWAKI
- ✓ ⑥ Yoichi Iba MAR. 30. 1993 Tokyo, Japan  
Yoichi IBA
- ✓ ⑦ Toshiyuki Ebihara MAR. 30. 1993 Tokyo, Japan  
Toshiyuki EBIHARA
- ✓ ⑧ Hideo Tomabechi MAR. 30. 1993 Tokyo, Japan  
Hideo TOMABECHI

**APPLICATION FOR UNITED STATES LETTERS PATENT****Supplemental Declaration**

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**IMAGE PROCESSING APPARATUS**

as set forth in USSN 09/740,764 filed December 19, 2000.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**INVENTOR: SIGNATURE****DATE****RESIDENCE AND POST OFFICE ADDRESS**

Sign:	Date:	Residence address: Hino-shi, Japan  Mailing address: c/o Intellectual Property Department, OLYMPUS OPTICAL CO., LTD., 2-3, Kuboyama-cho, Hachioji-shi, Tokyo, Japan
Type: Yasuhiro KOMIYA	Citizen of: Japan	
Sign:	Date:	Residence address: Yokohama-shi, Japan  Mailing address: c/o Intellectual Property Department, OLYMPUS OPTICAL CO., LTD., 2-3, Kuboyama-cho, Hachioji-shi, Tokyo, Japan
Type: Tatsuo NAGASAKI	Citizen of: Japan	
Sign: <i>Koutatsu Oura</i>	Date: <i>Nov. 12, 2001</i>	Residence address: Chofu-shi, Japan  Mailing address: c/o Intellectual Property Department, OLYMPUS OPTICAL CO., LTD., 2-3, Kuboyama-cho, Hachioji-shi, Tokyo, Japan
Type: Koutatsu OURA	Citizen of: Japan	
Sign:	Date:	Residence address: Machida-shi, Japan  Mailing address: c/o Intellectual Property Department, OLYMPUS OPTICAL CO., LTD., 2-3, Kuboyama-cho, Hachioji-shi, Tokyo, Japan
Type: Takeshi MORI	Citizen of: Japan	
Sign:	Date:	Residence address: Hachioji-shi, Japan  Mailing address: c/o Intellectual Property Department, OLYMPUS OPTICAL CO., LTD., 2-3, Kuboyama-cho, Hachioji-shi, Tokyo, Japan
Type: Ryoichi SAWAKI	Citizen of: Japan	
Sign:	Date:	Residence address: Hachioji-shi, Japan  Mailing address: c/o Intellectual Property Department, OLYMPUS OPTICAL CO., LTD., 2-3, Kuboyama-cho, Hachioji-shi, Tokyo, Japan
Type: Yoichi IBA	Citizen of: Japan	



93025

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

DATE: 06/14/93

TO:

N09A

LEONARD HOLTZ  
FRISHAUF, HOLTZ, GOODMAN & WOODWARD, PC  
600 THIRD AVENUE, 30TH FLOOR  
NEW YORK, NY 10016-2088

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR: KOMIYA, YASUHIRO DOC DATE: 03/30/93

ASSIGNOR: NAGASAKI, TATSUO DOC DATE: 03/30/93

ASSIGNOR: WANG, KANGDA DOC DATE: 03/30/93

ASSIGNOR: MORI, TAKESHI DOC DATE: 03/30/93

ASSIGNOR: SAWAKI, RYOICHI DOC DATE: 03/30/93

ASSIGNOR: IBA, YOICHI DOC DATE: 03/30/93

ASSIGNOR: EBIHARA, TOSHIYUKI DOC DATE: 03/30/93

ASSIGNOR: TOMABECHI, HIDEO DOC DATE: 03/30/93

6527/0076 PAGE 0002

RECORDATION DATE: 04/08/93 NUMBER OF PAGES 003 REEL/FRAME 6527/0076

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

OLYMPUS OPTICAL CO., LTD.  
43-2, 2-CHOME, HATAGAYA, SHIBUYA-KU, TOKYO, JAPAN

SERIAL NUMBER 8-045038 FILING DATE 04/08/93  
PATENT NUMBER ISSUE DATE 00/00/00

*Jeanne L. Fine*  
EXAMINER/PARALEGAL  
ASSIGNMENT BRANCH  
ASSIGNMENT/CERTIFICATION SERVICES DIVISION



## REGISTRATION FORM COVER SHEET

045038

Docket No. 930255/LH

## PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Yasuhiro KOMIYA  
Tatsuo NAGASAKI  
Kangda WANG  
Takeshi MORI  
Ryoichi SAWAKI  
Yoichi IBA  
Toshiyuki EBIHARA  
Hideo TOMABECHI

## 2. Name and address of receiving party(ies):

Olympus Optical Co., Ltd.  
43-2, 2-chome, Hatagaya,  
Shibuya-ku, Tokyo, Japan

## 3. Nature of conveyance: - ASSIGNMENT

Execution Date(s): March 30, 1993 (all inventors)

RECEIVED  
93 MAY 21 PM 8:49  
ASSIGNMENT BRANCH  
respectively.

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is as follows:

March 30, 1993 (all inventors)

respectively.

## A. Patent Application No. (s)

030 MP 04/26/93 08045038

## B. Patent No.(s)

1 581 40.00 CK

5527 REEL  
0076 LINE

## 5. Name and address of party to whom correspondence concerning document should be mailed:

FRISHAUF, HOLTZ, GOODMAN & WOODWARD, P.C.  
600 Third Avenue, 30th Floor  
New York, New York 10016-2088

## 6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41): \$ 40.00

 Amount included with filing fee attached hereto. Check enclosed.

93356062

## 8. To the extent not tendered by check, authorization is given to charge the Assignment Fee (37 CFR 3.41) to Account No. 08-1378.

## 9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dated: April 8, 1993

By:   
Leonard Holtz  
Reg. # 22,978

Express Mail® Mailing Label No. TR 354 822 875

Date of Deposit: April 8, 1993

I hereby certify that this paper and enclosed application and fee are being deposited with the United States Postal Service "Express Mail Post Office Addressing" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patent and Trademarks, Washington, D.C. 20231.

Barbara Villani  
9/4/92

Total number of pages comprising cover sheet: one

00 U45038

SOLE/JOINT  
(SP 6MN-93S0143 )

A S S I G N M E N T

In consideration of value received, I, having a post office address at c/o Intell ctual Property & Legal Department, OLYMPUS OPTICAL CO., LTD., 2-3, Kuboyama-cho, Hachioji-shi, Tokyo, Japan, and a residenc as stated below next to my name, the sole inventor (if only one name is listed b low) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

IMAGE PROCESSING APPARATUS

said application having been filed on  
No. ;  
sell and assign to

OLYMPUS OPTICAL CO., LTD, a corporation organized and existing under the laws of Japan, and having a business address at 43-2, 2-chome, Hatagaya, Shibuya-ku, Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent executed concurrently herewith;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Frishauf, Holtz, Goodman & Woodward, P.C., 600 Third Avenue - 30th Floor, New York,  
N.Y. 10016.

Inventor: (Signature)      Date      Residence

A Yasuhiro Komiya      MAR. 30. 1993      Tokyo, Japan

B Tatsuo Nagasaki      MAR. 30. 1993      Yokohama-shi, Japan

A S S I G N M E N T

Inv ntor: (Signature)

Date

Residence

c Kangda Wang  
Kangda WANG

MAR. 30. 1993

Tokyo, Japan

d Takeshi Mori  
Takeshi MORI

MAR. 30. 1993

Tokyo, Japan

e Ryoichi Sawaki  
Ryoichi SAWAKI

MAR. 30. 1993

Tokyo, Japan

f Yoichi Iba  
Yoichi IBA

MAR. 30. 1993

Tokyo, Japan

g Toshiyuki Ebihara  
Toshiyuki EBIHARA

MAR. 30. 1993

Tokyo, Japan

h Hideo Tomabechi  
Hideo TOMABECHI

MAR. 30. 1993

Tokyo, Japan

i \_\_\_\_\_

j \_\_\_\_\_

5727  
REF ID:  
FEB 1993

0078  
FEB 1993

Witness for Inventor A:

Witness for Inventor F:

RECORDED

~~PATENT & TRADE MARK OFFICE~~

Witness for Inventor G:

APR -8 93

Witness for Inventor C:

Witness for Inventor H:

Witness for Inventor D:

Witness for Inventor I:

Witness for Inventor E:

Witness for Inventor J:

RECORDING OFFICER:

After recording please return to:

Frishauf, Holtz,  
Goodman & Woodward, P.C.,  
600 Third Avenue - 30th Floor,  
New York, N.Y. 10016

Note: Witness desirable,  
but not necessary.